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SNS-009B
(7268/15)

The "RECEIVED" stamp of the Patent Office imprinted hereon acknowledges the filing of:

Transmittal Form (1 page); Transmittal of Formal Drawings (1 page); Formal Drawings (10 sheets); and a returned-receipt postcard all mailed under Certificate of First Class Mailing Under 37 CFR 1.8 dated February 14, 2002

Name of Applicant: Jennings et al.

Intf. or Serial Number: 10/017,148

Atty: JB Milstein

SNS-009B
(7268/15)

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Name of Applicant: Jennings et al

Intf. or Serial Number: 10/017,148

Atty: JB Milstein

Date: February 14, 2002





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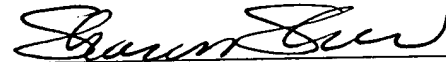
PATENT
Attorney Docket No. SNS-009B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Jennings et al.
SERIAL NO.: 10/017,148 GROUP NO.: 2617
FILING DATE: December 14, 2001 EXAMINER: Not Yet Assigned
TITLE: Systems and Methods for Three-Dimensional

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, Washington, DC 20231 on this 14th day of February, 2002.


Sharon Shaw

Commissioner for Patents
Washington, D.C. 20231

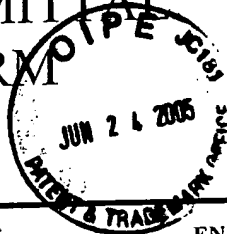
Sir:

Submitted herewith is/are:

1. Transmittal Form (1 page);
2. Formal Drawings Transmittal (1 page);
3. Formal Drawings (10 sheets); and
4. A return-receipt postcard.

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TRANSMITTAL FORM



Application Serial Number	10/017,148
Filing Date	December 14, 2001
First Named Inventor	Jennings
Group Art Unit	2671
Examiner Name	Not Yet Assigned
Attorney Docket No.	SNS-009B
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____] <input type="checkbox"/> Petition for Extension of Time <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553) <input checked="" type="checkbox"/> Formal Drawing(s) (10 pages) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) <input checked="" type="checkbox"/> Formal Drawings Transmittal (1 page)
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CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

 Date: February 14, 2002
 Reg. No. 42,897
 Tel. No.: (617) 248-7695
 Fax No.: (617) 248-7100
 Joseph B. Milstein
 Atty/Agent for Applicant(s)
 Testa, Hurwitz & Thibault, LLP
 High Street Tower
 125 High Street
 Boston, MA 02110



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PATENT
Attorney Docket No. SNS-009B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):	Jennings et al.	BATCH NO.:	Not Yet Assigned
SERIAL NO.:	10/017,148	GROUP NO.:	2671
FILING DATE:	December 14, 2001	EXAMINER:	Not Yet Assigned
TITLE:	Systems and Methods for Three-Dimensional Modeling		

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Attached please find:

- (a) the formal drawing(s) for this application - Number of Sheets - 10.

Date: February 14, 2002
Reg. No. 42,897

Tel. No.: (617) 248-7695
Fax No.: (617) 248-7100

Respectfully submitted,

Joseph B. Milstein
Atty/Agent for Applicant(s)
Testa, Hurwitz, & Thibault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

2284247_1

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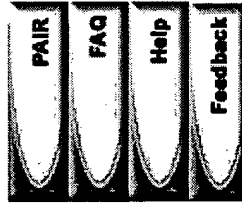


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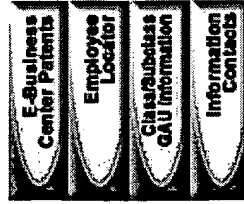


Image File Wrapper for Application No.:10/017,148

NEW

Changes to IFW Download - Updated:11/30/2004

This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Download.

Mail Room Date	Document Description	Document Category	Page Count	All	None	Download
04/01/2005	Index of Claims	PROSECUTION	1			
04/01/2005	Search information including classification, databases and other search related notes	PROSECUTION	1			
04/01/2005	Issue Information including classification, examiner, name, claim, renumbering, etc.	PROSECUTION	1			
04/01/2005	Notice of Allowance and Fees Due (PTOL-85)	PROSECUTION	3			
04/01/2005	Notice of Allowance and Fees Due (PTOL-85)	PROSECUTION	3			
03/30/2005	Examiner's search strategy and results	PROSECUTION	7			
02/02/2005	Extension of Time	PROSECUTION	1			
02/02/2005	Request for Continued Examination (RCE)	PROSECUTION	3			
02/02/2005	Applicant Arguments or Remarks Made in an Amendment	PROSECUTION	3			
02/02/2005	Claims	PROSECUTION	10			
02/02/2005	Amendment After Final	PROSECUTION	1			
01/13/2005	Amendment After Final or under 37CFR 1.312, initialed by the examiner.	PROSECUTION	1			
01/13/2005	Bibliographic Data Sheet	PROSECUTION	1			
01/13/2005	Examiner Interview Summary Record (PTOL - 413)	PROSECUTION	1			

<http://pair-direct.uspto.gov/cgi-bin/final/pair/efw.pl>

12/10/2003	Examiner's search strategy and results	PROSECUTION	1	<input type="checkbox"/>
12/04/2003	Examiner's search strategy and results	PROSECUTION	1	<input type="checkbox"/>
09/26/2003	Information Disclosure Statement (IDS) Filed	PROSECUTION	5	<input type="checkbox"/>
04/28/2003	NPL Documents	PRIOR ART	8	<input type="checkbox"/>
04/28/2003	NPL Documents	PRIOR ART	7	<input type="checkbox"/>
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04/28/2003	NPL Documents	PRIOR ART	15	<input type="checkbox"/>
04/28/2003	NPL Documents	PRIOR ART	13	<input type="checkbox"/>
04/28/2003	NPL Documents	PRIOR ART	27	<input type="checkbox"/>
04/28/2003	Information Disclosure Statement (IDS) Filed	PROSECUTION	4	<input type="checkbox"/>
04/28/2003	Power of Attorney (may include Associate POA)	PROSECUTION	1	<input type="checkbox"/>
03/25/2002	Information Disclosure Statement (IDS) Filed	PROSECUTION	4	<input type="checkbox"/>
02/26/2002	Drawings	PROSECUTION	10	<input checked="" type="checkbox"/>
02/26/2002	Miscellaneous Incoming Letter	PROSECUTION	3	<input type="checkbox"/>
12/14/2001	Application Data Sheet	PROSECUTION	2	<input type="checkbox"/>
12/14/2001	Claims Worksheet (PTO-2022)	PROSECUTION	1	<input type="checkbox"/>
12/14/2001	Fee Worksheet (PTO-875)	PROSECUTION	1	<input type="checkbox"/>
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12/14/2001	Bibliographic Data Sheet	PROSECUTION	1	<input type="checkbox"/>
12/14/2001	Oath or Declaration filed	PROSECUTION	4	<input type="checkbox"/>
12/14/2001	Abstract	PROSECUTION	1	<input type="checkbox"/>
12/14/2001	Claims	PROSECUTION	8	<input type="checkbox"/>
12/14/2001	Specification	PROSECUTION	28	<input type="checkbox"/>
12/14/2001	Drawings	PROSECUTION	10	<input type="checkbox"/>
12/14/2001	Transmittal letter	PROSECUTION	2	<input type="checkbox"/>

12/14/2001	Index of Claims	PROSECUTION	1	<input type="checkbox"/>
12/14/2001	Search information including classification, databases and other search related notes	PROSECUTION	1	<input type="checkbox"/>
12/14/2001	Issue Information including classification, examiner, name, claim, renumbering, etc.	PROSECUTION	1	<input type="checkbox"/>
12/14/2001	Miscellaneous Incoming Letter	AS FILED	1	<input type="checkbox"/>
12/14/2001	Oath or Declaration filed	AS FILED	4	<input type="checkbox"/>
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12/14/2001	Abstract	AS FILED	1	<input type="checkbox"/>
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12/14/2001	Specification	AS FILED	28	<input type="checkbox"/>
12/14/2001	Application Data Sheet	AS FILED	2	<input type="checkbox"/>
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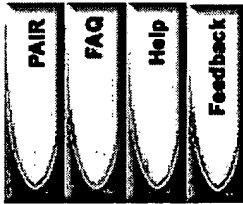


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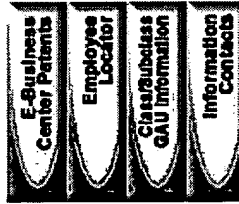
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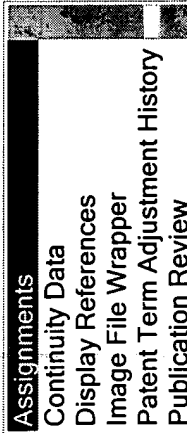


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Search results as of: 5-27-2005::14:7:44 E.T.

Search results for application number:10/017,148			
Application Number:	10/017,148	Customer Number:	21323
Filing or 371(c) Date:	12-14-2001	Status:	Allowed -- Notice of Allowance Mailed -- Issue Revision Completed
Application Type:	Utility	Status Date:	04-01-2005
Examiner Name:	NGUYEN, KIMBINH T	Location:	ELECTRONIC
Group Art Unit:	2671	Location Date:	-
Confirmation Number:	9301	Earliest Publication No:	US 2002-0089500 A1
Attorney Docket Number:	SNS-009B	Earliest Publication Date:	07-11-2002
Class/ Sub-Class:	345/420	Patent Number:	-
First Named Inventor:	Ralph Jennings, Stow, MA (US)	Issue Date of Patent:	-
Title Of Invention: SYSTEMS AND METHODS FOR THREE-DIMENSIONAL MODELING			

Select Search Option



Search



File History	
Date	Contents Description

05-04-2005	Workflow - File Sent to Contractor
04-01-2005	Mail Notice of Allowance
04-01-2005	Mail Formal Drawings Required
03-31-2005	Formal Drawings Required
03-31-2005	Notice of Allowance Data Verification Completed
03-31-2005	Notice of Allowability
02-10-2005	Date Forwarded to Examiner
02-10-2005	Date Forwarded to Examiner
02-02-2005	Request for Continued Examination (RCE)
02-10-2005	DISPOSAL FOR A RCE/CPA/129 (express abandonment if CPA)
02-02-2005	Request for Extension of Time - Granted
02-02-2005	Workflow incoming amendment IFW
02-02-2005	Workflow - Request for RCE - Begin
01-13-2005	Mail Examiner Interview Summary (PTOL - 413)
01-13-2005	Mail Advisory Action (PTOL - 303)
01-10-2005	Advisory Action (PTOL-303)
09-14-2004	Examiner Interview Summary Record (PTOL - 413)
12-30-2004	IFW TSS Processing by Tech Center Complete
12-30-2004	Date Forwarded to Examiner
09-17-2004	Amendment after Final Rejection
01-26-2004	Reference capture on IDS
09-26-2003	Reference capture on IDS
03-25-2002	Reference capture on IDS
12-14-2001	Oath or Declaration Filed (Including Supplemental)
09-17-2004	Workflow incoming amendment IFW
09-17-2004	Workflow incoming amendment IFW
08-04-2004	Mail Final Rejection (PTOL - 326)
08-02-2004	Final Rejection
05-26-2004	Date Forwarded to Examiner
05-17-2004	Response after Non-Final Action
05-17-2004	Request for Extension of Time - Granted
05-17-2004	Request for Extension of Time - Granted
05-17-2004	Workflow incoming amendment IFW
01-26-2004	Information Disclosure Statement (IDS) Filed
12-17-2003	Mail Non-Final Rejection
12-15-2003	Non-Final Rejection
04-28-2003	Information Disclosure Statement (IDS) Filed
09-26-2003	Information Disclosure Statement (IDS) Filed
09-08-2003	Case Docketed to Examiner in GAU

02-26-2002	New or Additional Drawing Filed
03-25-2002	Information Disclosure Statement (IDS) Filed
03-25-2002	Information Disclosure Statement (IDS) Filed
03-14-2002	Case Docketed to Examiner in GAU
01-30-2002	Application Dispatched from OIPE
01-28-2002	Application Is Now Complete
01-02-2002	IFW Scan & PACR Auto Security Review
12-14-2001	Initial Exam Team nn

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PATENT
Atty. Docket No. SNS-009B
(081028/158550)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Jennings *et al.* CONF. NO.: 9301
SERIAL NUMBER: 10/017,148 ART UNIT: 2671
FILING DATE: December 14, 2001 EXAMINER: Nguyen, Kimbinh T.
TITLE: Systems and Methods for Three-Dimensional Modeling

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMMENT REGARDING FORMAL DRAWINGS

Applicants note that the File History as accessed via PAIR for the above-mentioned application includes an entry dated April 1, 2005, stating, "Mail Formal Drawings Required."

Applicants did not receive a corresponding mailing from the United States Patent and Trademark Office. Applicants also note that no corresponding electronic version of a notice appears in the "Image File Wrapper for Application No.: 10/017,148" on the PAIR website.

Applicants believe no new formal drawings are required for the above-mentioned application. Formal drawings were filed with the United States Patent and Trademark Office on February 14, 2002, and were recorded with the Patent Office on February 26, 2002, as noted in both the File History and Image File Wrapper on PAIR. Copies of the appropriate pages from PAIR are enclosed. Copies of the formal drawings filed on February 14, 2002, are also enclosed.

Applicants also note that the Notice of Allowability sent by the Patent Office on April 1, 2005, states "The drawings filed on 14 December 2001 are accepted by the Examiner." Applicants contend this refers to the informal drawings submitted with the initial application filed on December 14, 2001. A copy of the Notice of Allowability is enclosed. Applicants

Comment Regarding Formal Drawings
Serial No. 10/017,148

believe the Notice of Allowability should refer to the Applicants Formal Drawings, as filed with the Patent Office on February 14, 2002.

Applicants respectfully thank Examiner for the telephonic discussion on May 26, 2005, regarding the formal drawings, where Examiner acknowledged that formal drawings for the above-mentioned application had been received and accepted by the Patent Office on February 14, 2002.

Applicants believe they have satisfied all requirements regarding the drawings. If further documentation is required, please feel free to contact Applicant's undersigned representative at the number listed below.

Respectfully submitted,



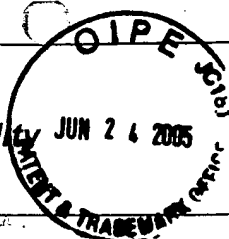
William R. Haulbrook, Ph.D.
Attorney for the Applicants
Goodwin Procter LLP
Exchange Place
Boston, Massachusetts 02109
Goodwin Customer No. 051414

Date: June 24, 2005
Reg. No. 53,002

Tel. No.: (617) 570-1013
Fax No.: (617) 523-1231

LIBA/1551638.1

Notice of Allowability



Application No.

10/017,148

Examiner

Kimbinh T. Nguyen

Applicant(s)

JENNINGS ET AL.

Art Unit

2671

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 02/02/05.
2. ☒ The allowed claim(s) is/are 1-12, 14-39 and 41-56.
3. ☒ The drawings filed on 14 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

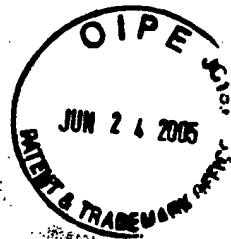
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |



1/10

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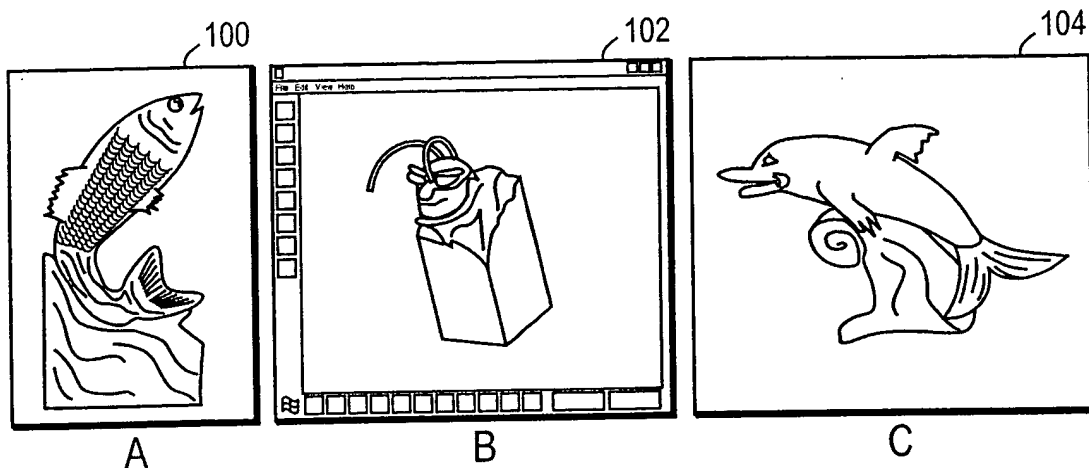


FIG. 1



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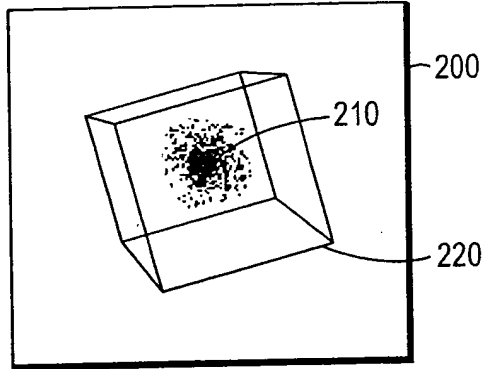


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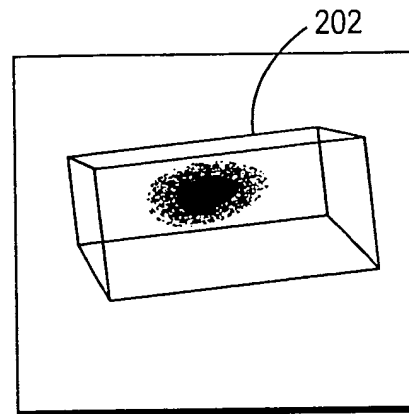


FIG. 2B



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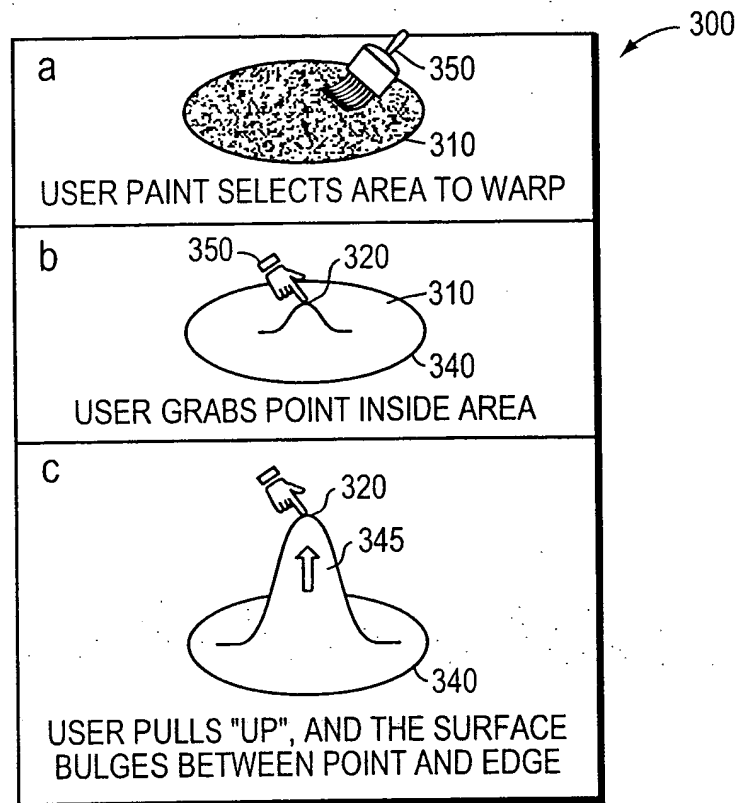


FIG. 3



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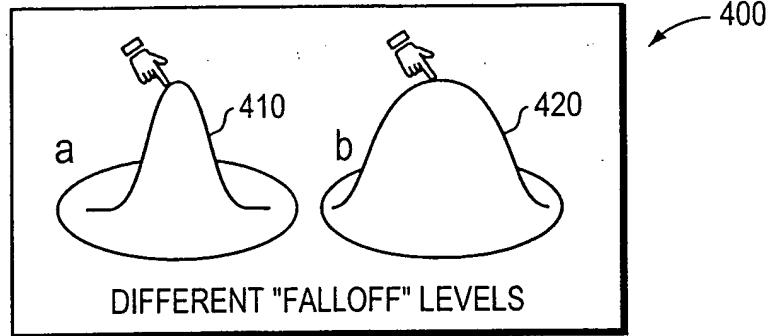


FIG. 4

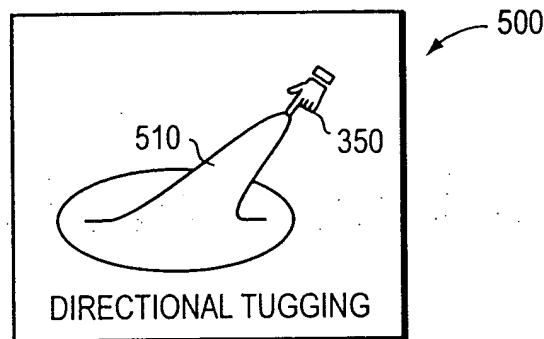


FIG. 5

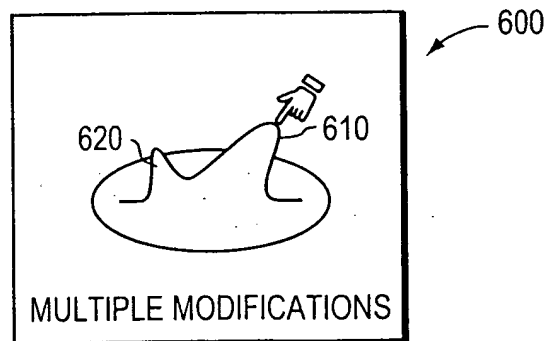


FIG. 6



5/10

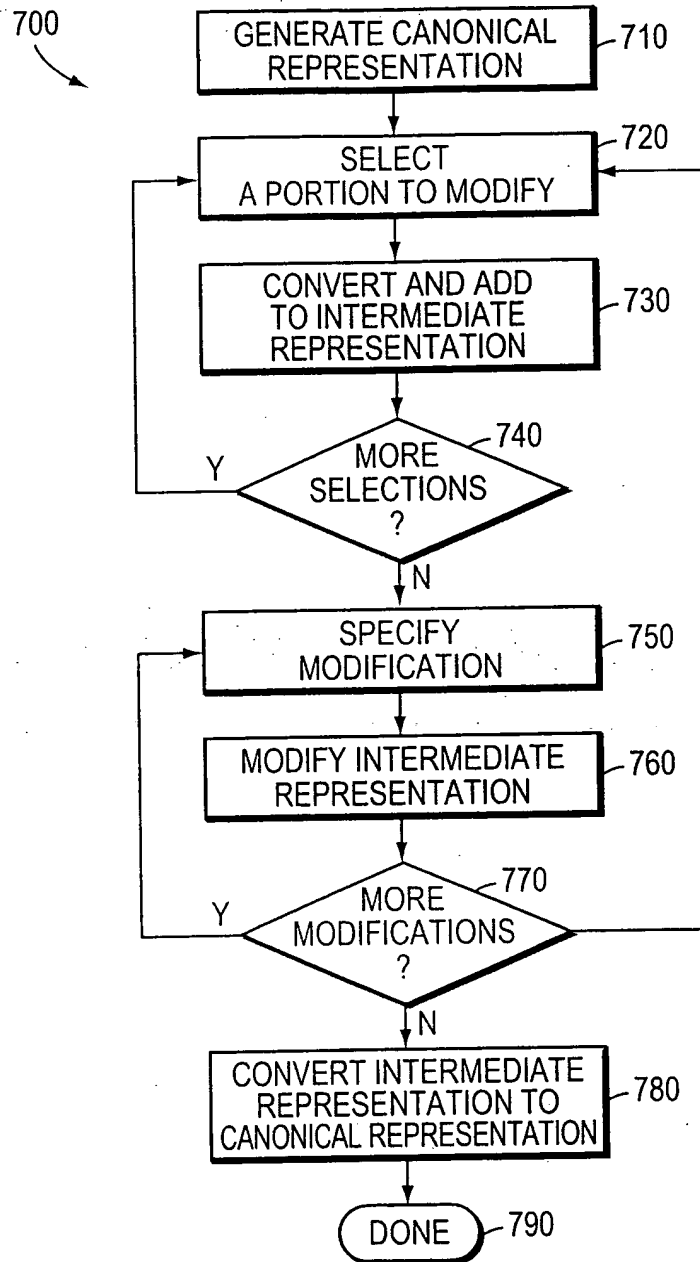


FIG. 7A

6/10

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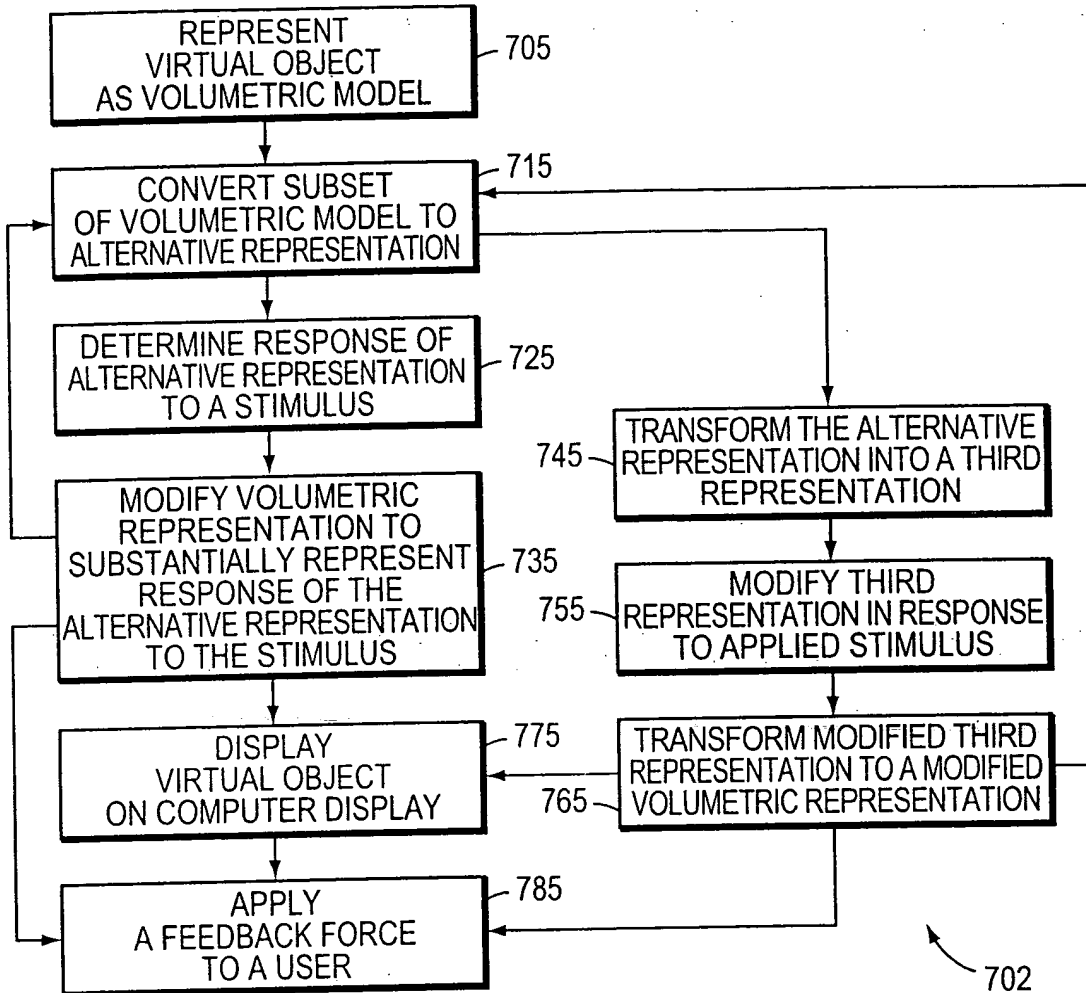
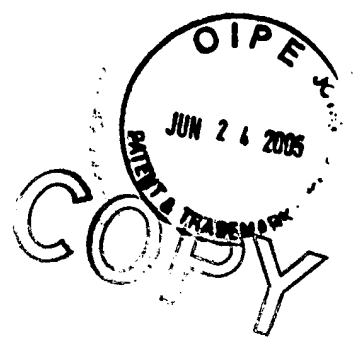


FIG. 7B



7/10

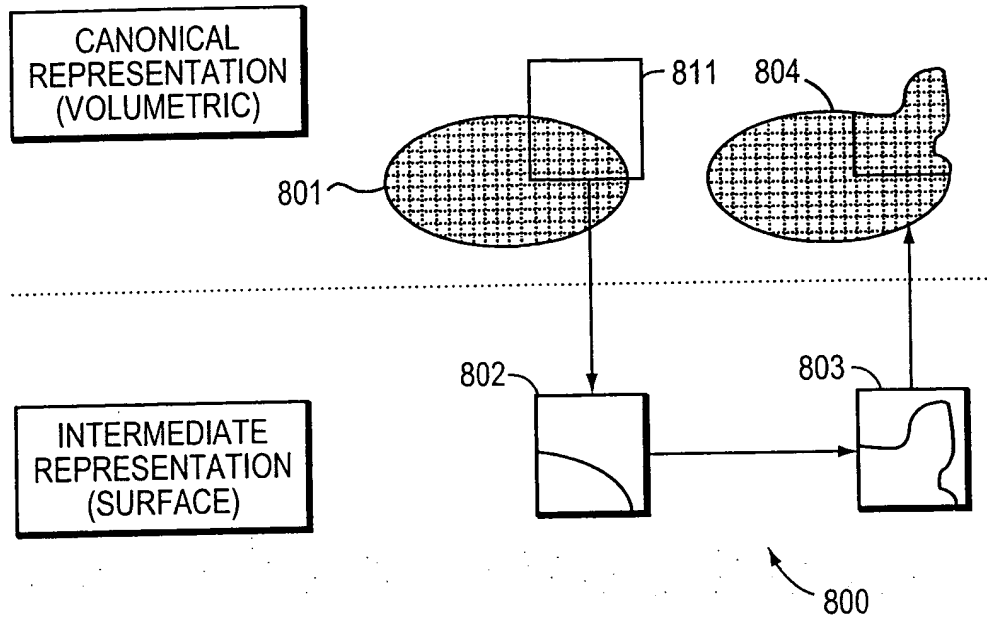


FIG. 8



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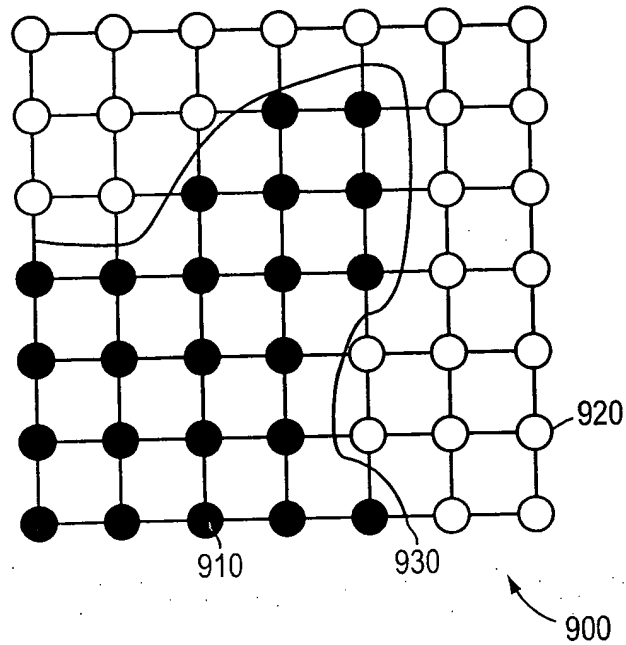


FIG. 9



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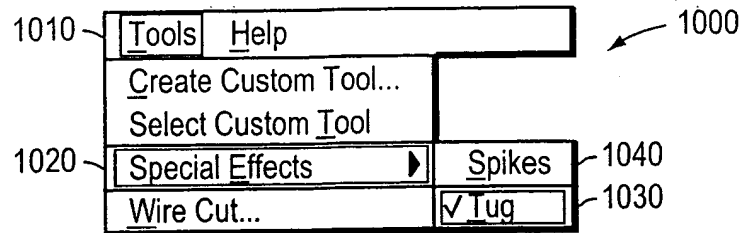


FIG. 10

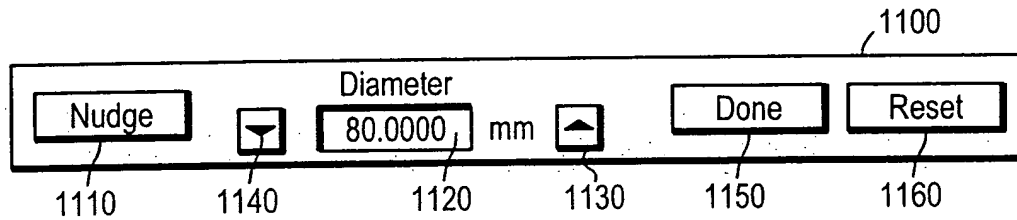


FIG. 11

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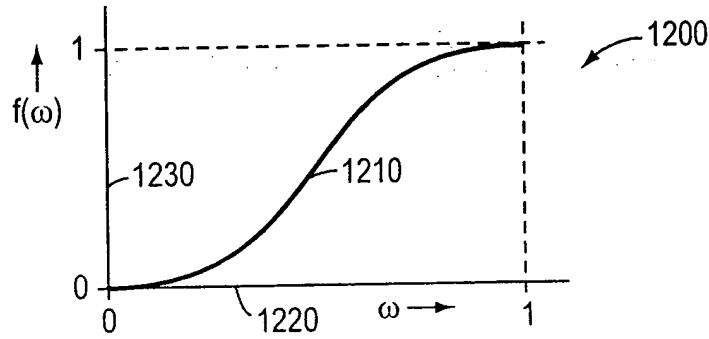


FIG. 12

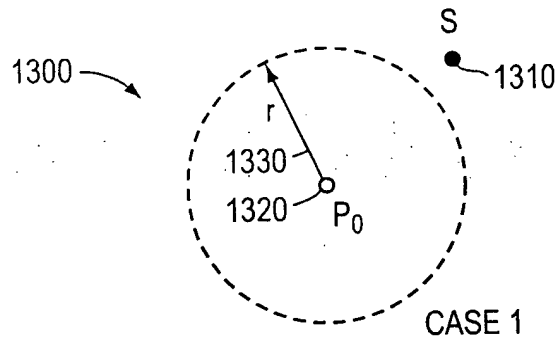


FIG. 13A

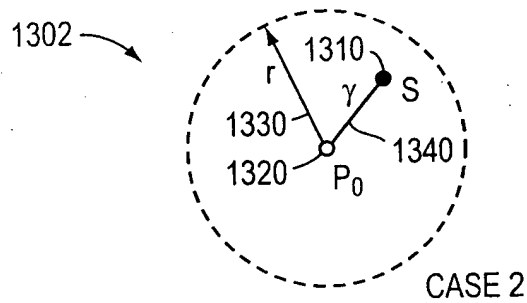


FIG. 13B